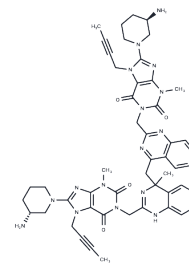


Linagliptin Methyldimer

Chemical Properties

CAS No. :	1418133-47-7
Formula:	C50H56N16O4
Molecular Weight:	945.08
Storage:	Store at low temperature, Keep away from direct sunlight Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Linagliptin Methyldimer is a potent dipeptidyl peptidase IV inhibitor, IC50=6 pM.
Targets(IC50)	Others, Proteasome

Solubility Information

Solubility	DMSO: 9.52 mg/mL (10.07 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.0581 mL	5.2906 mL	10.5811 mL
5 mM	0.2116 mL	1.0581 mL	2.1162 mL
10 mM	0.1058 mL	0.5291 mL	1.0581 mL
50 mM	0.0212 mL	0.1058 mL	0.2116 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Pfrengele, Waldemar; World Intellectual Property Organization, WO2013010964 A1 2013-01-24, CAplus

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